

404 OPEN GRADED FRICTION COURSE

404.01 DESCRIPTION

Work consists of preparing and placing a hot mixed, hot laid Open Graded Friction Course as an overlay to existing clean and sound surface which has first been leveled and given a tack coat at locations shown in the contract documents. The requirements of 401 and 403 apply, except as modified herein.

404.02 COMPOSITION

Open Graded Friction Surface Course shall consist of a mixture of asphalt cement, coarse aggregate, fine aggregate and anti strip additive or hydrated lime as required by the approved job mix formula.

404.03 MATERIALS

Coarse Aggregate - trap rock which conforms to 803.04(B)(2)

Fine Aggregate - trap rock which conforms to 803.03(B)

Anti Strip Additive - 802.08

Hydrated Lime - 821.03(A)

404.04 JOB MIX FORMULA

A job mix formula shall be submitted. The bitumen content, maximum plant temperature and laydown temperature will not be required as part of the Contractor's proposed job mix formula. These parts of the approved job mix formula shall be provided by the Engineer. Allowable tolerances for plant and laydown temperature shall also be supplied by the Engineer.

For information purposes, the bitumen content is generally between 5 and 8 percent of the total mix by weight.

404.05 CONSTRUCTION REQUIREMENTS

After the open graded mixture has been spread, struck off, and the surface irregularities adjusted, it shall be thoroughly and uniformly compacted by rolling with a steel wheel or pneumatic tire roller conforming to 904.05. The mixture shall be rolled in a longitudinal direction, commencing at the outside edge and progressing towards the center. Rolling shall be accomplished in such a manner that shoving, distortion, or stripping will not develop beneath the roller. On superelevated curves, the rolling shall commence on the low side and progress to the high side. The amount of rolling shall be confined to only that necessary for consolidating the bituminous mixture and bonding it to the underlying surface. Excessive rolling shall be avoided.

404.06 MEASURE AND PAYMENT

The unit of measure for Open Graded Friction Course of the type specified will be the ton. The number of tons will be the actual number of tons complete in place as weighed on approved truck scales.

The Engineer will deduct the weight of all material lost, wasted, damaged, rejected or applied in excess of the Engineer's direction or contrary to these specifications.

The actual number of tons placed of the type specified will be paid for at the contract unit price per ton, which payment will be full compensation for furnishing, hauling, and placing all materials, and for furnishing all equipment, tools, labor and incidentals necessary to complete the work as specified herein.